

AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph that appears on page 8, lines 15 through 20:

Replacement Paragraph with underlining, strikethrough and double bracketts:

Fig. 8 – shows a comparison of amino acid sequences around Ser1101 and Ser1149 in human IRS-1 and IRS-2, respectively (SEQ ID NO: 7 and SEQ ID NO: 8, respectively); below the sequences is a Western blot analysis of IRS-2 protein extracted from CHO cells overexpressing the IRS-2 protein. Phosphorylation of IRS-2 at Ser1149 was induced by insulin treatment at different times as indicated. Total Akt protein immunoblots served as loading controls.

Please delete Figure 8 from the specification and replace it with the Replacement Figure 8 submitted concurrently with this response.